

Product datasheet for **SC332391**

KAT6B (NM_001256469) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: KAT6B (NM_001256469) Human Untagged Clone
Tag: Tag Free
Symbol: KAT6B
Synonyms: GTPTS; MORF; MOZ2; MYST4; qkf; querkopf; ZC2HC6B
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332391 representing NM_001256469.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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Restriction Sites:

Sgfl-Mlul

ACCN:	NM_001256469
Insert Size:	5346 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001256469.1
RefSeq Size:	7633 bp
RefSeq ORF:	5346 bp
Locus ID:	23522
UniProt ID:	Q8WYB5
Cytogenetics:	10q22.2
Protein Families:	Druggable Genome
MW:	199.9 kDa
Gene Summary:	<p>The protein encoded by this gene is a histone acetyltransferase and component of the MOZ/MORF protein complex. In addition to its acetyltransferase activity, the encoded protein has transcriptional activation activity in its N-terminal end and transcriptional repression activity in its C-terminal end. This protein is necessary for RUNX2-dependent transcriptional activation and could be involved in brain development. Mutations have been found in patients with genitopatellar syndrome. A translocation of this gene and the CREBBP gene results in acute myeloid leukemias. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2012]</p> <p>Transcript Variant: This variant (3) uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter compared to isoform 1. Variants 3 and 11-14 all encode the same isoform (3).</p>